PARTICIPANT BIOGRAPHIES

Cenk Acar, Ph.D.

Dr. Cenk Acar received his B.S. degree in Mechanical Engineering from Bogazici University, Turkey. In 2004, he received his Ph.D. degree in Mechanical and Aerospace Engineering from University of California, Irvine. After completing his graduate work, he joined Systron Donner Automotive of Schneider Electric as Silicon MEMS Program Manager, leading the research and development efforts on the next-generation micromachined inertial sensors product line. In 2008 he started MicroMotion Research, and provided consulting services to leading MEMS companies, MEMS foundries, and start-ups. He also co-founded Jyve, Inc. in 2009, and developed high-performance inertial sensors for consumer electronics, in the VP, MEMS Design role. Since the acquisition of Jyve Inc. by Fairchild Semiconductor in 2010, he is leading the MEMS design activities at Fairchild Semiconductor, MEMS and Sensor Solutions as the Director, MEMS Design. His research interests include design, modeling, fabrication, characterization and control of MEMS inertial sensors. He is the author of the book "MEMS Vibratory Gyroscopes", and first author of over 20 journal and international conference publications on MEMS inertial sensors. He currently holds over 30 US and international patents. He served on the organizing and technical committees of leading international MEMS conferences, and he is a reviewer of major MEMS journals.

Sandeep Akkaraju

Sandeep Akkaraju is a serial entrepreneur with a background in technology startups. Most recently, Sandeep founded Jyve Inc, to develop chipsets and software for always-on location and activity aware computing. Jyve was acquired by Fairchild Semiconductor corporation at an exit valuation of over $60M. He is presently, VP of Business Development & Marketing at Fairchild. Previously, Sandeep was the CEO of IntelliSense Corporation a leading provider of MEMS and Nanotechnology based software and solutions. Under his guidance, IntelliSense expanded its its physical presence into China and India and its sales presence into over 30 countries. In the 1990's, as head of the Hardware Business Unit at IntelliSense Corporation, Sandeep helped the company rapidly grow from a startup to the eventual acquisition of IntelliSense at a valuation of $750 M. In 2003, he led the re-acquisition of IntelliSense from Corning. He was responsible for the turning around the company back to profitability and 100% year over year growth. In 2007, IntelliSense received the 'Enabling Technology of the Year' award from Frost and Sullivan and is recognized as one of the top 20 Micro/Nano suppliers. Sandeep holds an B.Tech from the Indian Institute of Technology, an M.S. from LSU and an M.B.A from INSEAD,France.

Ajith Amerasekera, Ph.D.

Dr. Ajith Amerasekera is a TI Fellow and IEEE Fellow, and is an engineering director in TI's High Performance Analog division. After receiving his Ph.D. in 1986, he worked at Philips Research Labs, Eindhoven, The Netherlands, on the first submicron semiconductor development. In 1991, he joined Texas Instruments, Dallas, working in the VLSI Design Labs in new device and circuit development. Since 1999, he has been working on circuit design and IP development for TI's CMOS technologies. In 2008 he became the founding director of TI's Kilby Research Labs where he was responsible for creating the research processes to address long-term exploration and innovation for new markets and technologies. He has 30 issued patents, and has published over 100 papers in technical journals and conferences, as well as 4 books on integrated circuits. Ajith has served on the technical program committees of a number of international conferences including the VLSI Symposia, the ISSCC, and the IEDM.

Julie Ask

Julie Ask is Vice President and Principal Analyst at Forrester Research. Julie serves eBusiness and Channel Strategy Professionals. Julie's 25 years of work experience is balanced between the engineering and management consulting work she did in the first half of her career and her work as an analyst for the past 12 years. The combination of technical and business expertise positions her well to work with business leaders to identify new opportunities offered by mobile technology and to develop strategies to engage with consumers on mobile devices. She has worked with hundreds of clients across retail, travel, banking, insurance, CPG, healthcare and more to advise and guide the development of their mobile strategies. Prior to becoming an analyst, Julie worked at a contextual services mobile start-up in San Francisco and prior to that with Booz Allen & Hamilton. In December 2012, Mobile Marketer named Julie one of 25 "Women to Watch" in mobile for 2013. Julie holds a B.S.E.E. and a Master of Science in electrical engineering and computer science from the Massachusetts Institute of Technology (MIT). She also holds an M.B.A. from the University of Michigan.

PARTICIPANT BIOGRAPHIES

Geoffrey L. Barrows, Ph.D.

Geoffrey Barrows is the Founder of Centeye, a fabless semiconductor company that makes compact vision sensors for flying "micro drones" and IoT. Prior to Centeye, he worked at the Naval Research Laboratory while completing his graduate studies. He holds a BS in applied mathematics from the University of Virginia, an MS in electrical engineering from Stanford University, and a PhD in electrical engineering from the University of Maryland. He was named to the MIT Technology Review's TR-100 list in 2003.

Holger Becker, Ph.D.

Dr. Holger Becker is co-founder and CSO of microfluidic ChipShop GmbH. He obtained physics degrees from the University of Western Australia/Perth and the University of Heidelberg. He started to work on miniaturized systems for chemical analysis during his PhD thesis at Heidelberg University, where he obtained his PhD in 1995. Between 1995 and 1997 he was a Research Associate at Imperial College with Prof. Andreas Manz. In 1998 he joined Jenoptik Mikrotechnik GmbH. Since then, he founded and led several companies in the field of microsystem technologies in medicine and the life sciences. He was nominated for the German Founders Prize in 2004. He lead the Industry Group of the German Physical Society between 2004 and 2009, and is the current chair of the SPIE "Microfluidics, BioMEMS and Medical Microsystems" conference and co-chair of MicroTAS 2013. He serves on the Editorial Board of "Lab-on-a-Chip" as well as acting as a regular reviewer of project proposals on a national and international level.

Sandhiprakash Bhide

Sandhiprakash Bhide is a Senior Technologist and Strategist at Intel. His job involves looking at emerging usages/user-experience/usage-models, evolution of 15+ technology vectors, evolution of business models and making sure all three make business sense for Intel. He is responsible for developing insights into the future by closely working with industry visionaries, research labs, technologists, researchers, and ethnographers and responsible for conducting very early path-finding. He looks at innovation in the following five areas: process, technologies, business models, service and strategic, and looks at areas that are beyond product groups' horizons and advises senior management on where Intel should invest in the future. He has served as an early path finder for future CPUs and other Intel products. He has 35+ years in high-tech and 20+ years at Intel in a variety of positions in HW, SW, System architecture and development, business and strategy development, strategic and product marketing and has experience across multiple geographies. He is considered a thought leader, a trend spotter, a visionary and considered a recognized expert on Multimodal and Adaptive or Natural Interfaces, Context-Aware or Contextual Computing, Sensors, and Internet of Things (IOT). His most recent focus areas are: IOT, wearable/ambient computing, smart/advanced sensors, M2M, Smart Cities, Smart Objects and nodes.

Flavio Bonomi, Ph.D.

Flavio Bonomi, Ph.D. is a Cisco Fellow, Vice President, and is the Head of the Advanced Architecture and Research Organization at Cisco Systems, in San Jose, California. He is co-leading (with JP Vasseur) the vision and technology direction for Cisco's Internet of Things initiative. This broad, Cisco-wide initiative encompasses major verticals, including Energy, Connected Vehicle and Transportation, Connected Cities. In this role, with the support of his team, he is shaping a number of research and innovation efforts relating to mobility, security, communications acceleration, distributed computing and data management. Before joining Cisco in 1999, Flavio Bonomi was at AT&T Bell Labs, between 1985 and 1995, with architecure and research responsibilities, mostly relating to the evolution of the ATM technology, and then was Principal Architect at two Silicon Valley startups, ZeitNet and Stratum One. Flavio Bonomi received a Ph.D. Electrical Engineering in 1985, and a Master or Electrical Engineering in 1981 from Cornell University in Ithaca, New York. He received is Electrical Engineering Degree from Pavia University, in Italy.

Bruce Borden

Bruce Borden is co-founder and CEO of gThrive, Inc., an Agriculture field sensor startup. After graduating from Harvard with a degree in Mathematics, he set up undergraduate computing at the university on the first UNIX systems outside of Bell Labs. He then joined the Rand Corporation where he managed the Information Systems Lab and wrote MH, an early email system. He co-founded 3Com and co-authored the first commercial TCP/IP networking software. He managed the first net-

PARTICIPANT BIOGRAPHIES

work acceleration card for a startup and then managed workstation hardware and software at Silicon Graphics. After SGI, he managed hardware and software projects for 3D graphics, high performance computing, network acceleration and thin clients, ending up as Chief Scientist at a division of General Dynamics when his company was acquired.

Dr.Ir. Sywert H. Brongersma

Dr.Ir. Sywert H. Brongersma, born in Leiden (The Netherlands) on August 8,1967, studied applied Physics at the Technical University of Eindhoven. He graduated in 1991 on thin film deposition using laser ablation at the Philips NatLab in Eindhoven and obtained his Ph.D. at the Free University of Amsterdam in the field of superconductivity. After a postdoc at the University of Western Ontario (Canada) he joined imec's Advanced Silicon Processing division in 1998. Here, he became a principal scientist for both the Cu/Low-k back-end-of-line integration and the Post-CMOS nano-technology affiliation programs. In November 2006, he transferred to imec's new site in Eindhoven that is part of the Holst Centre. At present, he is senior principal scientist for the wireless autonomous transducer solutions program which addresses applications in health and lifestyle.

Janusz Bryzek Ph.D.

Janusz Bryzek received his MSEE and Ph.D. from Warsaw Technical University, Poland. He completed the Executive Management Program at Stanford University. Janusz is considered as one of the pioneers of MEMS. He cofounded seven Silicon Valley MEMS companies: Sensym (now Honeywell), ICSensors (now Elmos/MSI), NovaSensor (now General Electric), Intelligent MicroSensor Technology (now Maxim), Transparent Networks (now Intel), LVSI (now Atmel), Jyve (now Fairchild Semiconductor). Bryzek has been performing due diligence for top tier VC firms, including USVP, Mayfield, Benchmark, Morgenthaler, Panorama. He also worked as an advisor or Board member for over 40 startups. In 1989 he was recognized as "Entrepreneur of the Year" by Arthur Young. In 1994 he was awarded the Lifetime Achievement Award by Sensors Magazine and in 2003 by MANCEF. Bryzek has published over 250 papers, wrote sections of 4 books, organized and chaired many international conferences and has 23 issued US patents.

Bill Choi

Bill Choi is the CEO of nanoLambda which he founded in Pittsburgh, Pennsylvania in 2005, with a vision to commercialize an ultra compact and low cost, noninvasive optical sensing platform, apollo™, for mobile health, environment monitoring, and color applications. The apollo™ platform technology is based on a disruptive convergence concept utilizing plasmonic nano-optic technology, advanced signal processing technology, and nano manufacturing technology. Before founding nanoLambda, Bill worked for Samsung Electronics for 17 years where he was a senior engineer and also had various positions in sales/marketing and strategy in the information and communications business. Bill also worked for AcceLight Networks, a start-up company in Pittsburgh, as a VP of Asia business. Bill holds 11 patents issued/pending and 10 published journal and conference papers, in the nano devices and applications related fields. Bill received the B.S. degree in Physics from Seoul National University, Korea, in 1984, and MBA degree from Carnegie Mellon University, in U.S.A., in 1997.

Timothy Davis, Ph.D.

Timothy Davis is the Executive Vice President and Chief Technical Officer for Kionix, Inc., a leading supplier of consumer inertial sensing products. Dr. Davis co-founded Kionix in 1993 and served as VP Research until it was partially acquired by Calient Networks in 2000, and returned in 2004 to lead Kionix through growth and eventual acquisition by Rohm Co., Ltd. in 2009. During his tenure Kionix he developed products for the global consumer and automotive marketplace in optical switching, inertial sensing, and magnetic sensing. His present role at Kionix manages a diverse engineering activity in sensor and ASIC design, silicon fabrication, test engineering, and applications engineering. Dr. Davis holds a B.S. in Engineering Science and Mechanics from Penn State and a Ph.D. in Electrical Engineering from Cornell University. He has authored numerous journal articles and is co-inventor on more than 20 patents.

PARTICIPANT BIOGRAPHIES

Roger Dennis

Roger Dennis is the founder of Sensing City in New Zealand. He consults in foresight, innovation and large scale change. He is based in New Zealand, and supports government bodies and companies across Asia, Europe and Australasia. He is part of the core team for Future Agenda – the world's largest open source foresight programm (www.futureagenda.org). He also works with a virtual team around the globe called Growth Agenda (www.growthagenda.com). Dennis led the 2007 Shell Technology Futures programme for the GameChanger team in The Hague and co-wrote and edited the book that resulted from the programm. Before this he was at egg – the pioneering European internet bank, where he worked in London on areas as diverse as the online gaming industry and deploying financial services on smart-phones.

Roberto DeNuccio

Roberto De Nuccio is Business Development Manager of MEMS for the Consumer and Mobile markets at STMicroelectronics, and has served in this capacity since 2010. De Nuccio joined ST in 2004 as a Marketing Engineer after starting his career as a digital design engineer with Siemens Mobile. He was promoted to his current responsibility in 2010. De Nuccio is the co-author of several articles and papers related to MEMS and has spoken at several MEMS events, including the Micromachining Summit in Venice (2007), Semicon in Dresden (2009 and 2010), and in 2012, COMS in Tonsberg, Norway and Electronica in Munich. De Nuccio was born in Salerno in 1971. He earned a Master's degree in Telecommunication Engineering at University of Pisa in Italy.

Eric Dy, Ph.D.

Eric Dy, Ph.D. is IMEC's North American Business Development Manager responsible for the strategic growth of IMEC's life sciences and medical business endeavors as well as the Wireless Autonomous Transducer Systems business. He earned his Bachelor of Science in Bioengineering from Cornell University (2003) and later his Masters of Science (2005) and PhD in Biomedical Engineering from the University of California Los Angeles (2008). He is the recipient of many prestigious scholarship awards including the Chancellor's Fellowship, Graduate Research Mentorship Fellowship, and Belgian American Education Foundation Fellowship and has 10+ years experience in MEMS design and processing.

Job Elders, Ph.D.

Job Elders is senior VP strategic alliances of Xsens. He is chairman of the board of three high tech companies, Solmates, Encapson and Micronit (NL), advisor of Quantum Recognition (MA, USA) and executive director of Enschede innovation fund. In addition, Elders is board member of Greenfield foundation. Previously, he has founded and developed five MEMS companies of which three have been acquired and has executed a MBI. He was founder of TMP and served as TMP's Managing Director, served as Vice President and General Manager of Alcatel Optronics Netherlands after Alcatel's acquisition of the operations in 2001. Subsequently Elders was founder and CEO of C2V until its acquisition by Thermo Fisher Scientific. Job Elders was founder and board member of the MANCEF foundation as well as founder of the Point One foundation and member of its board until 2010. He is the author of more than 80 technical and business publications as well as patents and has chaired and spoken at several MEMS events. He received his Ph.D. in Physical Chemistry from the University of Amsterdam.

Eng. Jean-Christophe "JC" Eloy

Eng. Jean-Christophe "JC" Eloy is founder, president and CEO of YOLE Développement, which was founded in 1998. Eloy manages YOLE Développement in terms of international development and strategic orientations of the company and is directly in charge of the MEMS activities. Eloy and the 25 analysts of YOLE Développement are working directly with the key players of the industry from equipment and materials suppliers to device manufacturers and system integrators. Previously Eloy was manager of the marketing department of CEA/LETI (France), applied R&D organization involved in the semiconductor, MEMS and instrumentation fields (1500 researchers). He then created the semiconductor practice at Ernst & Young in Europe and worked as senior manager in charge of the development of European activities. Eloy has been involved since 1991 in the MEMS and semiconductor areas. Eloy is Engineer from INPG/ENSERG (semiconductor and telecommunications) and has a MBA from EM Lyon.

PARTICIPANT BIOGRAPHIES

Shahin Farshchi, Ph.D.

Shahin Farshchi, Ph.D. is based in Palo Alto, and has worked with Lux Capital since 2006, focusing on investments in energy and technology. Shahin sourced Lux's investments in Silicon Clocks (acquired by NASDAQ:SLAB) and SiBEAM (acquired by NASDAQ:SIMG) and played key roles in Lux's investments in Everspin and Luxtera. He works closely in supporting all of Lux's energy and technology companies. Before joining Lux, he held technical positions at General Motors and several Silicon Valley technology startups. He received his B.S. degree in Electrical Engineering Computer Science with College of Engineering Honors from the University of California at Berkeley, and M.S. and Ph.D. degrees in Electrical Engineering with a Minor in Management from the University of California at Los Angeles. Shahin has also served as a Postdoctoral Scholar at the UCLA department of Electrical Engineering, and Staff Research Associate at the California NanoSystems Institute. His research on wireless biosignal telemetry has been published in over ten IEEE conference proceedings and three IEEE journals.

Ira Feldman

Ira Feldman is the principal consultant at Feldman Engineering Corp., where he manages and develops unique high technology solutions and business strategies. As a successful executive, he has proven his leadership ability to resolve product management and engineering challenges within organizations as well as with their supply chain and customers. Mr. Feldman's broad knowledge and management experience with high volume manufacturing of complex technology products is the result of his extensive expertise in the semiconductor test and computer test industries. He earned his BS in Engineering and Master of Engineering degrees from Harvey Mudd College. His "High Technology Business Development" blog at www.hightechbizdev.com often covers nanotechnology, MEMS, semiconductor, and test topics.

David Gascón, Ph.D.

David Gascón is Libelium's Co-Founder and Chief Technical Officer. He also has worked as a professor at the Engineers University of Zaragoza (Spain). His main research areas are Wireless Sensor Networks (WSN), Mesh Networks and the Self Emergent and Autoorganizational Complex Systems, as shown by his development of the creation of two protocols for the Internet based on ant colonies and other swarm insect behaviors. In 2012 he was awarded with the "TR35" prize as the most important innovator under 35 in Spain by MIT. He has a Computer Engineering degree by the Polytechnic Center of Zaragoza.

Patrick R. Gill Ph.D.

Patrick R. Gill was a national champion of both mathematics and physics contests in Canada prior to conducting his doctoral work in sensory neuroscience at the University of California at Berkeley (Ph.D. awarded in 2007). He conducted postdoctoral research at Cornell University and the University of Toronto before joining the Computational Sensing and Imaging (CSI) group at Rambus Labs in 2012. He is best known in the optics community for his lead role in inventing the planar Fourier capture array at Cornell University, and he was awarded the Best Early Career Research Paper Award at the 2013 Optical Society of America meeting on Computational Sensing and Imaging.

Roger Grace

Roger Grace is president of Roger Grace Associates (Naples, Florida), a marketing consultancy which he founded in 1982. He has over 40 years in the electronics industry holding positions as a circuit designer, project engineer, applications engineer and most recently as a strategic marketing consultant. His focus has been on sensors and especially Microelectromechanical systems (MEMS). He was a co-founder and a past president of the Micro and Nanotechnology Commercialization Education Foundation (MANCEF). Mr. Grace's educational background includes a BSEE, MSEE from Northeastern University and the MBA program at the University of California Berkeley. He was selected as Northeastern University's Engineer of the Year in 2004.

PARTICIPANT BIOGRAPHIES

Stephan Guttowski, Dr. Ing.

Stephan Guttowski obtained his M.Sc. (Dipl.-Ing.) degree in Electrical Engineering, with concentration in Measurement and Control Engineering as well as Process Automation, from the Technical University (TU) Berlin in 1994. He then continued with his doctoral research on electromagnetic compatibility of Power Electronic Systems under the supervision of Prof. Dr.-Ing. K. Heumann, and obtained his Ph.D. (Dr.-Ing.) degree in 1998 from TU Berlin. From 1998 to 1999, Dr. Guttowski worked as a Post Doctoral Research Fellow at the Massachusetts Institute of Technology (M.I.T.) in Cambridge, USA, where he headed the research unit which explored the consequences of the new 42-V-Systems on the electromagnetic compatibility within future passenger cars. In 1999, he joined the Research Laboratory for Electric Drives at DaimlerChrysler AG in Berlin and was involved with the prediction of electromagnetic emission of electrically driven vehicles. Dr. Guttowski joined Fraunhofer IZM Berlin in October 2001. From 2002 to 2005, he headed the Advanced System Development Group. Since January 2006, he has been head of the department of System Design & Integration. He has authored/co-authored more than 100 papers in refereed Conference Proceedings and Journals.

Matthew A. Hopcroft, Ph.D.

Matthew A. (Matt) Hopcroft is a researcher at HP Labs, the central research organization for the Hewlett-Packard Company, where he works on advanced sensing solutions. HP Labs is responsible for numerous technical achievements such as the pocket scientific calculator, thermal inkjet printing, and RISC computer architecture. Dr. Hopcroft holds a B.Sc. in Computer Engineering (The George Washington University) an M.Phil. in Engineering (Cambridge University), and a Ph.D. in Mechanical Engineering (Stanford University). He joined HP Labs in 2010 as an NSF/ASEE Corporate Fellow. His research interests include sensing, MEMS design, and microscale and portable power.

Roger T. Howe, Ph.D.

Roger T. Howe, Ph.D. is the William E. Ayer Professor in the Department of Electrical Engineering at Stanford University, as well as the Faculty Director of the Stanford Nanofabrication Facility. He earned a B.S. degree in physics from Harvey Mudd College, Claremont, California and an M.S. and Ph.D. in electrical engineering from the University of California, Berkeley in 1981 and 1984. After faculty positions at Carnegie-Mellon University in 1984-1985 and the Massachusetts Institute of Technology from 1985-1987, he returned to Berkeley where he was a Professor until 2005. His research interests include micro electromechanical system (MEMS) design, micro/nanomachining processes, and self-assembly processes. A major focus of his research from the early 1980s until recently was technologies for integrated microsystems, which incorporate both silicon integrated circuits and micromechanical structrures. Recently, his research has shifted to nano electromechanical systems (NEMS), for applications ranging from chemical sensors to relays and logic devices. Prof. Howe has made contributions to the design of MEMS accelerometers, gyroscopes, electrostatic actuators, and microresonators. He was elected an IEEE Fellow in 1996, was co-recipient of the 1998 IEEE Cledo Brunetti Award, and was elected to the U.S. National Academy of Engineering in 2005 for his contributions to MEMS processes, devices, and systems. He was a co-founder of Silicon Clocks, Inc., a start-up company that commercialized poly-SiGe integrated MEMS-on-CMOS for timing applications, which was acquired by Silicon Laboratories, Inc., in April 2010. In December 2009, he became the Faculty Director of the Stanford Nanofabrication Facility. In February 2011, he became the Stanford Site Director of the National Nanotechnology Infrastructure Network (NNIN) and in September 2011, he became Director of the NNIN.

John Huggins

John Huggins is Executive Director, Berkeley Sensor & Actuator Center, UC Berkeley (since September 2002). He holds an MS, Electrical Engineering, University of Minnesota (1973); Stanford High Tech Executive Institute. He was Founder & CEO of TDK Systems Inc (1992-1998); VP, Advanced Development, Silicon Systems Inc. (1981-1991); Telecom development manager, Intel Corporation (1973-1981). He has been a Guest Editor and Associate Editor of IEEE Journal of Solid State Circuits 4 years and Technical Program Committee, International Solid State Circuits Conference 5 years. He is the Chair of PCMCIA's communications standards subcommittee. He holds five U.S. Patents. His research and professional interests are mixed signal CMOS integrated circuits, electronic communications, and telecommunications high tech business development.

PARTICIPANT BIOGRAPHIES

Susumu Kaminaga

Susumu Kaminaga, born in 1946, graduated from the University of Tokyo in 1969 after he studied Mechanical Engineering. He joined Sumitomo Precision Products Co., Ltd. (SPP), Japan immediately after he finished the study. He was President of the company for eight years from June 2004 until his recent retirement in June 2012. He lived in Germany for six years in the 1980s and in the U.K for four and a half years in 1990s. He is currently Advisor to the Board of SPP and Executive Senior Adviser & Chairman of the Steering Committee of SPP Technologies Co., Ltd. SPP has diversified technology-oriented business to manufacture various products supplied to industries like aerospace, heat management/energy, hydraulic controls, environmental protection and MEMS (Micro Electro Mechanical Systems). His own involvement with MEMS activities started in 1988 and has played a major role to develop and commercialize Deep Reactive Ion Etching (DRIE) technology which, as widely perceived, has enabled the MEMS world to expand rapidly in the last decades. During the course of his initial work of developing technology and business for MEMS, he was instrumental in running Surface Technology Systems (STS), UK, a subsidiary of SPP, since the acquisition in 1995 until 1999. Under his management, STS pioneered development and commercialization of the Deep Reactive Ion Etching (DRIE) technology based on Robert Bosch patented switching process. The technology was enhanced as Advanced Silicon Etch (ASE) technology to satisfy customers demands to develop various new devices. He was further involved as the main driver to establish SPP Process Technology Systems (SPTS) in 2009 to integrate STS and the newly acquired Aviza business, which is now SPTS Technologies with local management after MBO in 2011. Nowadays, this business contributes a lot broadly to exciting smart phone industries with the unique technology. He plays a key role at SPP Technologies (SPT) founded in 2011 as a joint venture of SPP and SPTS for Japanese market. He is a member of JSME (The Japan Society of Mechanical Engineers), JSAP (The Japan Society of Applied Physics), IEE (The Institute of Electrical Engineers of Japan) and IEEE (The Institute of Electrical and Electronic Engineers).

Harri Kopola, Ph.D.

Professor Harri Kopola is the Research Director of Microtechnologies and Electronics at VTT Technical Research Centre of Finland. He received his Diploma in Engineering, Licentiate of Technology, and Doctor of Technology degrees in electrical engineering from the University of Oulu. In 1989 he was a postdoctoral fellow at the University of Ottawa and NRC, Canada. From 1990 to 1995 he served at the University of Oulu as a chief assistant, associate professor (1992-1994), and professor in electronics (1994-1995). In 1995 he took a position as the research professor in optoelectronics at VTT. From 1998 - 2002 was the head of optoelectronics research, and from 2002-2005 he was research director at VTT Electronics in Oulu. On January 1st, 2006 he was named as the Research Director in 'Microtechnologies and electronics' at VTT. From August 2006 to December 2009 he led a new VTT spearhead program called 'Center for Printed Intelligence'. He operates actively in the European framework in 'organic and large area electronics' and multidisciplinary printed intelligence international networks. Since 2010 he has continued his duties as the research director and is responsible of VTT strategy and research portfolio on 'Microtechnologies and Electronics', including printed intelligence, photonics solutions, micro and nanosystems and diagnostic platform technologies. He was a visiting professor for four months at the University of Tokyo, Institute of Industrial Science from September to December 2012, and from January to August 13 2013 was a visiting professor at the University of California Berkeley.

Luke P. Lee, Ph.D.

Prof. Luke P. Lee is the Arnold and Barbara Silverman Distinguished Professor at UC Berkeley. He is also Co-Director of Berkeley Sensor & Actuator Center. He received both his B.A. in Biophysics and Ph.D. in Applied Physics (major) & Bioengineering (minor) from UC Berkeley. Prof. Lee has authored and co-authored over 250 papers on biophotonics, single cell analysis, microfluidic quantitative cell biology, and biomedical devices. His current research interests are integrative molecular diagnostics of infectious and neurodegenerative diseases, in vitro neurogenesis, bioinspired neural interfaces and organs on a chip. (http://biopoets.berkeley.edu)

Uli Lemmer, Ph.D.

Uli Lemmer received the diploma degree in physics from RWTH Aachen University, Germany in 1990 and the Ph.D. degree from the University of Marburg, Germany in 1995. His diploma thesis was on carrier relaxation phenomena in III–V semiconductors, and in his Ph.D. work he investigated the femto- and picosecond dynamics of optical excitations in conjugated

PARTICIPANT BIOGRAPHIES

polymers. From 1995 to 1996, he held a postdoctoral position with the University of California at Santa Barbara. He was with the University of Munich from 1996 to 2002. In 2002, he was appointed full Professor of the Electrical Engineering and Information Technology department and director of the Light Technology Institute, Karlsruhe Institute of Technology (KIT). Since 2013 he is also a co-director of the Institute of Microstructure Technology. Since 2008 he is involved in the InnovationLab, a PPP-institution based in Heidelberg aiming at basic research and commercialization of printed electronic systems. He currently serves as the director of the Device Physics Center. His research interests are in the technology and the applications of printable organic and inorganic semiconductors for various applications such as photovoltaics, lighting and sensing. Dr. Lemmer was a recipient of the Young Scientist Award of the European Materials Research Society (1994) and the Philip-Morris Research Award of the Philip-Morris Foundation (1999). He is a coauthor of more 250 papers and has filed 12 patents.

James E. Lenz

James E. Lenz has worked for Boeing, Honeywell, the University of Minnesota, and John Deere, and has been involved with more than 100 new product developments. He has 20 patent awards and has published more than 50 technical papers ranging on topics related to electromagnetics, sensors, electronic designs, control circuitry, software development, and management of technology. He holds a MS degree in Physics from the University of Wisconsin. He currently leads electronics strategy and sensors developments worldwide for John Deere. The agricultural and construction businesses are entering an era of revolutionary adoption of electronics and automation. He works at the John Deere Technology Innovation Center located in Champaign, Illinois.

Marc Madou, Ph.D.

Before joining UCI as the Chancellor's Professor in Mechanical and Aerospace Engineering (MEA), Dr. Madou was Vice President of Advanced Technology at Nanogen in San Diego, California. He specializes in the application of miniaturization technology to chemical and biological problems (BIO-MEMS). He is the author of several books in this burgeoning field he helped pioneer both in Academia and in Industry. He founded several micromachining companies and has been on the board of many more. Many of his colleagues became well known in their own right in academia and through successful MEMS start-ups. Madou was the founder of the SRI International's Microsensor Department, founder and President of Teknekron Sensor Development Corporation (TSDC), Visiting Miller Professor at UC Berkeley and Endowed Chair at the Ohio State University (Professor in Chemistry and Materials Science and Engineering). The third edition of "Fundamentals of Microfabrication," an introduction to MEMS and NEMS, which has become known as the "bible" of micromachining, was published in July of last year (http://fundamentalsofmicrofabrication.wordpress.com/). Dr. Madou currently leads UCI's efforts in Advanced Manufacturing and in Educational Outreach in Advanced Manufacturing. Some of Dr. Madou's recent research work involves artificial muscle for responsive drug delivery, a compact disc-based fluidic platform and carbon MEMS, the two latter fields were pioneered by Dr. Madou. To find out more about those recent research projects, visit www.biomems.net. At UCI Dr. Madou works on carbon-MEMS, a CD based fluidic platform, artificial muscle for responsive drug delivery and integrating fluidics with DNA arrays as well as researching label–free assays for the Molecular Diagnostics platform of the future.

Jiri Marek, Ph.D.

Dr. Jiri Marek is currently Senior Vice President of Robert Bosch's Corporate Research Centers in Palo Alto, Pittsburgh and Boston. He oversees the overall strategy, planning, operations and research direction of the institutes. Previously, Dr. Marek was Senior Vice President of Engineering Sensors at Bosch – Automotive Electronics Division, responsible for the MEMS activities at Bosch. Dr. Marek studied Electrical Engineering at the University of Stuttgart, Germany and Stanford University, USA. In 1983 he received his Ph.D. from University of Stuttgart and Max-Planck Institute, Stuttgart for his work on the analysis of grain boundaries in large grain polycrystalline solar cells. After positions with IBM and HP in the U.S. he started his career with Bosch in Reutlingen, Germany in 1986.

PARTICIPANT BIOGRAPHIES

Mehran Mehregany, Ph.D.

Mehran Mehregany received his Ph.D. in Electrical Engineering from Massachusetts Institute of Technology in 1990, when he joined the Department of Electrical Engineering and Computer Science at Case Western Reserve University. He is the Goodrich Professor of Engineering Innovation and the Founding Director of the Case School of Engineering San Diego Programs (launched in 2007) and its Wireless Health Program (launched in 2010). He has a secondary appointment in the Biomedical Engineering Department. Dr. Mehregany was the Founding Executive Vice President of Engineering at the West Health Institute (fka, West Wireless Health Institute) from November 2009 through August 2010 (taking a leave from Case). During this period, he formulated the Institute's engineering program, recruited the initial talent, and launched the initial research activities and product developments, including Sense4Baby. Dr. Mehregany has over 350 publications describing his work, holds 19 U.S. patents, is the recipient of a number of awards/honors and has founded several technology startups. His current research interests are micro/nano-electro-mechanical systems, silicon carbide and wireless health.

Hughes Metras

Hughes Metras is VP in charge of Strategic Partnerships in North America for CEA-LETI, a major European R&D lab with 200 and 300 mm facilities in Grenoble France. He is also a visiting staff member at Caltech in the framework of the Alliance for Nanosystems VLSI where he is in charge of business development for the US region. Previously, Hughes was VP Marketing and Sales, in charge of business development and strategic planning. He coordinated Leti's sales and marketing teams in the field of semiconductors (advanced CMOS as well as heterogenous integration), imaging and photonics, biomedical technologies as well as telecommunications. He was involved in major French initiatives with key industrial players for the emergence of new programs in microelectronics addressing new societal challenges such as power conversion for industrial, automotive and PV applications. He has also been involved in the European technology platform EPOSS (smart system integration) where he coordinated the working group on key technologies and was a member of the executive committee. Mr. Metras is based in Pasadena, California.

Edward B. Myers, Ph.D.

Dr. Edward B. Myers is the senior research scientist in Dr. Michael Roukes' group at Caltech. Dr. Myers received his Ph. D. in Physics at Cornell University in 2002. His graduate work was performed with Professor Daniel Ralph in the field of nanomagnetism, with a particular focus on the effect of spin-polarized currents in magnetic nanostructures. After earning his Ph.D., Dr. Myers joined Prof. Roukes' group as a postdoctoral scholar; in 2005 he was hired by Prof. Roukes as a research staff member. Dr. Myers' research focus is on the electrical, magnetic, and mechanical properties of materials at the nanoscale, as well as how these properties can be applied to provide new kinds of probes and tools in physics, chemistry, and biology. Of current interest is using nanomechanical resonators as highly sensitive vapor-phase chemical sensors, for use in applications such as chemical warfare agent detection and biomedical diagnostics.

Steve Nasiri

Steve Nasiri is Angel Investor and Mentor at Nasiri Ventures LLC , Principal at Nasiri Foundation, and a Member of Band of Angels. Over the past 35 years, Mr. Nasiri has been a serial entrepreneur in Silicon Valley. His most recent and successful venture was InvenSense, which he founded in 2003 and served as the President, Chief Executive Officer and Chairmen since its inception until October of 2012. Under his leadership, the company became the pioneer and global market leader in motion processing solutions for motion-based user interfaces in consumer electronic including smartphones, tablets, game consoles, wearable electronics, and more. In November 2011, Mr. Nasiri took the company through the initial public offering (IPO), listed on the New York Stock Exchange (NYSE) under the symbol INVN. Prior to founding InvenSense, Mr. Nasiri held various key positions as a co-founder and or executive of several pioneering startup companies, including SenSym (acquired by Honeywell), NovaSensor (acquired by General Electric), Integrated Sensor Solutions (acquired by Texas Instruments), ISS-Nagano GmbH, Intelligent Sensing Solutions (acquired by Maxim Integrated), and Transparent Optical Networks. Mr. Nasiri has been the inventor and co-inventor in over 80 patents and patent applications, and has authored many papers and articles in MEMS and consumer electronics. In 2010, he was selected by Ernst & Young as Entrepreneur of the Year for Northern California and in 2013 he was given Alumni Awards of Distinction by San Jose State University. Mr. Nasiri earned an M.B.A. from Santa Clara University, a M.S. in Mechanical Engineering from San Jose State University and a B.S. in Mechanical Engineering from the University of California, Berkeley.

PARTICIPANT BIOGRAPHIES

D.Sc. Aarne Oja

D.Sc. (Tech.) Aarne Oja received his doctorate in materials physics from Helsinki University of Technology in 1988. He was appointed as Research Professor of Sensor Technology at VTT in 2000. He acted as the Vice President of VTT Strategic Research in the field of microtechnologies and electronics during 2006 - 2009. Since 2010 Oja has been directing the High Performance Microsystems innovation programme of VTT. Prof. Oja has more than 100 scientific publications and several patents. Current research interests of Oja include MEMS sensors and timing circuits.

Albert ("Al") P. Pisano, Ph.D.

Albert P. Pisano began his service as Dean of the Jacobs School of Engineering on September 1, 2013. Pisano holds the Walter J. Zable Chair in Engineering and serves on the faculty of the departments of mechanical and aerospace engineering and electrical and computer engineering. Pisano is an elected member of the National Academy of Engineering for contributions to the design, fabrication, commercialization, and educational aspects of MEMS. Prior to his appointment at UCSD, Pisano served on the UC Berkeley faculty for 30 years where he held the FANUC Endowed Chair of Mechanical Systems. Pisano was the senior co-director of the Berkeley Sensor & Actuator Center (an NSF Industry-University Cooperative Research Center), director of the Electronics Research Laboratory (UC Berkeley's largest organized research unit), and faculty head of the Program Office for Operational Excellence, among other leadership positions. Since 1983, Pisano has graduated over 40 Ph.D. and 75 M.S. students. From 1997 to 1999, Pisano was a program manager for the MEMS Program at the Defense Advanced Research Projects Agency (DARPA). Pisano earned his undergraduate ('76) and graduate degrees ('77, '80, '81) in mechanical engineering at Columbia University. Prior to joining the faculty at UC Berkeley, he held research positions with Xerox Palo Alto Research Center, Singer Sewing Machines Corporate R&D Center and General Motors Research Labs. Pisano's research interests include: micro-electro-mechanical systems (MEMS) wireless sensors for harsh environments (600°C) such as gas turbines and geothermal wells; and additive, MEMS manufacturing techniques such as low-temperature, low-pressure nano-printing of nanoparticle inks and polymer solutions. Other research interests and activities include MEMS for a wide variety of applications, including RF components, power generation, drug delivery, strain sensors, biosensors, micro inertial instruments, disk-drive actuators and nanowire sensors. He is a co-inventor listed on more than 20 patents in MEMS and has co-authored more than 300 archival publications. Pisano is a co-founder of ten start-up companies in the areas of transdermal drug delivery, transvascular drug delivery, sensorized catheters, MEMS manufacturing equipment, MEMS RF devices and MEMS motion sensors.

Jan M. Rabaey, Ph.D.

Jan Rabaey, Ph.D., holds the Donald O. Pederson Distinguished Professorship at the Electrical Engineering and Computer Sciences Department of the University of California at Berkeley. After receiving his Ph.D degree in applied sciences from the Katholieke Universiteit Leuven, Belgium, he joined UC Berkeley in 1983 as a Visiting Research Engineer. From 1985 until 1987, he was a research manager at IMEC, Belgium. Professor Rabaey has created and/or directed a number of high-impact research centers, including the Berkeley Wireless Research Center (BWRC), the FCRP multi-university Gigascale Systems (GSRC) and MultiScale Systems (MuSyC) Research Centers, and most recently the Berkeley Ubiquitous Swarm Lab. He is also the executive director of the MAS-IC program, the first fully online degree program offered by UC Berkeley engineering. He is the recipient of a wide range of awards, amongst which the IEEE CAS Society Mac Van Valkenburg Award, the European Design Automation Association (EDAA) Lifetime Achievement award, and the Semiconductor Industry Association (SIA) University Researcher Award. He is an IEEE Fellow and a member of the Royal Flemish Academy of Sciences and Arts of Belgium. In 2012, he received an honorary doctorate from the University of Lund, Sweden. He has been on the advisory board of a broad range of semiconductor, design technology and wireless companies. His current research interests include the conception and implementation of next-generation integrated wireless systems, as well as exploring the interaction between the cyber and the biological world.

Charles Richardson

Chuck Richardson is the iNEMI Director of Roadmapping and facilitates the development of the bi-annual "iNEMI Roadmap" as well as the resulting and subsequently developed "Technical Plan" and "Research Priorities" documents. Chuck received

PARTICIPANT BIOGRAPHIES

the BSEE degree and spent about 7 years in various analog and digital design roles before transitioning to Manufacturing Engineering Management. Prior to his role at iNEMI he worked at several OEM and EMS companies including: SCI Systems as Corporate Engineering Manager, Intergraph as Senior Manager of Manufacturing Engineering, Micro Industries as Vice President of Business Development/Operations, Cooper Industries as Director of Electronic Operations and Scientific Columbus as Vice President of Manufacturing. Chuck is an "IEEE Life Member" and was a founding member of the SMTA and served as a board member for 9 years. He also serves as the iNEMI liaison on the MEMS, Assembly & Packaging and MtM (More Than Moore) groups within the ITRS (International Technology Roadmap for Semiconductors). He has been an active speaker at various venues and has authored numerous articles and papers.

Shad Roundy, Ph.D.

Shad Roundy received his Ph.D. in Mechanical Engineering from the University of California, Berkeley in 2003. From there he moved to the Australian National University where he was a senior lecturer for 2 years. He spent the next several years working with startup companies LV Sensors and EcoHarvester developing MEMS pressure sensors, accelerometers, and energy harvesting devices. He worked at Fairchild Semiconductor from 2010 to 2012 as part of the MEMS team developing inertial sensors. He recently re-entered academia joining the mechanical engineering faculty at the University of Utah in 2012. Shad is widely recognized as an early pioneer in the field of vibration based energy harvesting having published one of the first books on the subject and several seminal papers. He is the recipient of the DoE Integrated Manufacturing Fellowship, the Intel Noyce Fellowship, and was named by MIT's Technology Review as one of the world's top 100 young innovators for 2004.

Martha G. Russell, Ph.D.

Martha G. Russell, Ph.D. is Executive Director of mediaX at Stanford University, Senior Research Scholar and Human Sciences and Technology Advanced Research (H*STAR) Institute at Stanford University. Martha studies relationship systems – people to people, to their brands, to their organizations and for innovation. Using data-driven visualizations, her recent studies have taken energy's pulse and tracked the evolution of innovation ecosystems in greentech using socially constructed data and social media. With people and technology as the intersecting crosshairs, Martha has established collaborative research initiatives in ICT and technology leadership and for national agencies and technology companies. She pioneered one of the first U.S. public-private partnerships in microelectronic and information sciences and in manufacturing technologies. She has led interdisciplinary research programs at the University of Minnesota, The University of Texas at Austin and Stanford University. With a focus on the power of shared vision, Martha has developed planning/evaluation systems and consulted regionally and internationally on technology innovation for regional development. Martha has a doctoral degree in Policy Analysis focused on Technology Transfer from the University of Minnesota, and a B.A. from the University of California at Santa Barbara. She serves on the advisory board of the Journal of Technology Forecasting and Social Change and several startup companies.

Christopher Salthouse, Ph.D.

Christopher Salthouse, Ph.D. is the Dev and Linda Gupta Professor in the Department of Electrical and Computer Engineering at the University of Massachusetts, Amherst. During his Ph.D. work at the Massachusetts Institute of Technology he developed a cochlear implant speech processor that used less than 4% of the power required by commercial implementations. As a postdoctoral research at the Massachusetts General Hospital, he developed small-animal imagers to record fluorescence lifetime and up-conversion emissions. Now he is director of the Biomedical Electronics Laboratory at the University of Massachusetts, Amherst where he combines his background in integrated circuit design and biomedical sensing.

Benjamin Schlatka

Ben Schlatka's passion for growing and leading science based businesses led him to co-found MC10 in 2008. His multidisciplinary expertise in both material science and electronics uniquely position him to lead MC10's partnership activities and growth across its Medical, Consumer, and Government segments. Ben's career has been spent scaling technology enabled businesses. Prior to MC10, Ben helped grow Nantero's carbon nanotube electronics business (sold to Lockheed Martin Corporation) and led marketing and sales for a Volunteer Solutions.org (winner 1998 MIT 50K, sold to the United Way). He began his career as a corporate entrepreneur as one of the founding team members of IBM's Networking Hardware micro-

PARTICIPANT BIOGRAPHIES

electronics business – today greater than a billion dollars in sales. Ben has been an invited key note speaker at Fortune 100 companies on strategies for growing disruptive science driven innovations. Ben's other passion is coaching individuals on building their careers in technology and serves as an executive coach at the Harvard Business School. Ben earned an MBA from the Harvard Business School and holds 2 issued patents with 11 pending.

Kevin Shaw, Ph.D.

Kevin Shaw, Ph.D., CTO, Sensor Platforms, Inc. has been pushing the limits of sensor technology for over 20 years. First, he worked to develop low-cost fabrication technologies for MEMS, with over 24 patents to his name. He was a member of the formative engineering team at Kionix, a leader in motion sensors and accelerometers, and was integral in establishing its MEMS process and sensor design. Next, at Calient Optical Components, Kevin was critical in the development of its MEMS optical switch, and in defining new markets for its switching business. He also co-founded and sold Ironwood Technologies, an innovative company in the transportation services sector. He next joined Sensor Platforms, where he lead the transition from a mixed-signal ASIC company to a sensor algorithms software company, where sensor driven software is the gateway to a whole new field of advanced interaction with mobile devices. Now, with MEMS Sensors in virtually every smart phone, he wants those phones to understand the contextual environment that users live and work in. Kevin holds a Doctorate from Cornell University in MEMS and a Masters from Stanford University's Graduate School of Business, where he is a Stanford Sloan Fellow.

Jayna Sheats, Ph.D.

Jayna Sheats, Ph.D. is a co-founder of Terepac Corporation and has been its full-time CTO since 2008. From 2004 until 2008 she served as Vice President of Manufacturing Technology and subsequently Associate CTO at Nanosolar, Inc. Before that, she spent two years in consulting and entrepreneurial development in thin film electronics, particularly involving roll-to-roll processing techniques, and was a co-founder of two companies and advisor to several (including Nanosys, Nanosolar, Appleton Paper, and others). Prior to this, she spent 20 years at HP Labs, working on a wide variety of projects in thin film electronics, including microlithography, superconductivity, and electroluminescence. She also initiated and supported a program to introduce Internet technology in the developing world. She is a fellow of the AAAS, with a Ph.D. in physical chemistry from Stanford University, and has authored or co-authored 59 journal and book articles and more than 40 patents.

Sean Stetson, Ph.D.

Sean Stetson, TPL - Advanced Technology and Products Group with Motorola Mobility, has over 15 years of experience in all aspects of product development from definition and system architecture to production ramp, including moving novel technologies into shipping product. He has led teams through product and technology development projects in both large companies and in a fast-moving start-up environment. Prior to joining ATAP, Sean was Director of Product Development at Akustica, Inc. where he helped develop integrated circuit design methodologies for high-impedance, capacitance-based sensor systems that enabled the commercialization of CMOS MEMS technology, achieving the industry's smallest analog and digital output microphone products. Prior to Akustica Inc., he worked at Texas Instruments and Motorola. Sean has a Ph.D. and Masters in Electrical Engineering from the University of Michigan and holds 5 patents.

Joseph R. Stetter, Ph.D.

Joseph R. Stetter, Ph.D., is a recognized expert in the field of chemical and biological sensing. He currently serves as laboratory director of the Microsystems Innovation Center at SRI International. Current programs address biosensing and nanoengineered biocompatible surfaces, microstructures for vaccine delivery, as well as micro-plasmas, electron and ion generation, and sensors. He is also a research professor at the Illinois Institute of Technology and the president of KWJ Engineering Inc., a start-up company developing and manufacturing next-generation sensor technology. Dr. Stetter has won several prestigious awards for his work in sensor research, instrument development, and technology transfer. He is the author of more than 100 refereed journal articles and holds more than 30 patents. Stetter earned his Ph.D. and B.A. in physical chemistry from the State University of New York at Buffalo.

PARTICIPANT BIOGRAPHIES

Vijay Ullal

Vijay Ullal joined Fairchild Semiconductor in September 2012 and is responsible for Business Units, Sales & Marketing, Operations and Technology Development activities. Prior to Fairchild, Mr. Ullal was at Maxim Integrated Products, Inc., where he was Group President, Consumer & Automotive Solutions Group from 2007 to April 2012 where he was responsible for the definition, development, and marketing of products and solutions addressing the consumer and automotive end markets. Mr. Ullal played a key role in setting Maxim's, strategies and changing business processes. He established close relationships with top consumer companies, accelerated the development of new product lines, and championed the use of innovative design tools, process and packaging technologies, and test methodologies. Mr. Ullal also initiated significant changes to the supply chain that established a culture of excellent customer service and satisfaction. These changes resulted in strong growth for the consumer product portfolio and revenue for the company. Prior to his business role, he oversaw the development of more than 80% of the Company's process technologies, and orchestrated the purchase and ramp-up of five wafer fabs. He holds several patents in mixed-signal process technology. His contributions have resulted in a rich portfolio of process technologies at very competitive costs and with a high degree of operational flexibility. Prior to Maxim, Mr. Ullal was at Intel and Saratoga Semiconductor where he developed deep domain expertise in wafer fab and process technology. Mr. Ullal is a founder of the Bay Area IITM alumni association. He has been active in charitable works for women in India. He holds a BSChemE degree from the Indian Institute of Technology at Madras, and an MSChemE degree from Drexel University.

Steven Walsh, Ph.D.

Dr. Steven Walsh is the Regents professor at UNM's Anderson School of Management and the institute professor for entrepreneurial renewal of industry at the University of Twente. He has many business service awards including the lifetime achievement award for commercialization of Micro and Nano technology firms from MANCEF. He has also been named as a Tech All Star from the State of New Mexico Economic Development Department and has been recognized by Albuquerque the magazine as a leader in service to the economic community. He is a serial entrepreneur that has help attract millions of dollars in venture capital to these firms.

Steve Whalley

Stephen Whalley is the Cross Platform Technology Director for Sensors in the Platform Engineering Group at Intel, and a member of the MEMS Industry Group Governing Council. In this capacity, Steve is responsible for sensor technology strategy definition, implementation consistency, and maximizing hardware and software reuse across Smartphone, Tablet and PC platforms. Previously, Whalley has managed numerous client and server platform technology enabling activities and several industry initiatives while at Intel. He was also a founding contributor to the USB program and Chairman of the USB Implementers Forum from 1996 to 1998. Moving to Chandler, Arizona in 1990 from the United Kingdom, Whalley has managed multiple product development and marketing programs in various areas of Intel. He joined Intel in February 1988, working as a European Marketing Manager in Swindon, England. Whalley earned a Bachelors of Science Degree in Electrical Engineering, graduating with Honors from the University of Salford, England. He also received a Masters Degree in International Management from the American Graduate School of International Management ('Thunderbird'), Arizona.

Mark Zdeblick, Ph.D.

Mark J. Zdeblick, Ph.D. is Co-Founder and Chief Technology Officer of Proteus Digital Health. Prior to co-founding Proteus Digital Health, Mark Zdeblick served as the chief technology officer for the optical switch group at K2 Optronics. Dr. Zdeblick is also founder, director and past chief technical officer of Redwood Microsystems, developer of the world's highest performance microfabricated valves and electro-fluidic integrated circuits. While working in Professor Calvin Quate's Applied Physics group at Stanford, Dr. Zdeblick invented the microfabricated cantilever beam with an atomically sharp tip that enabled atomic force microscopy. He holds a B.S. in civil engineering and a B.A. in architecture, both from the University of Illinois, and an M.S. in aeronautics and astronautics and a Ph.D. in electrical engineering, both from Stanford University. He is named as an inventor on 118 Issued Patents and over 380 additional Patent Applications.